Agenda Item #5

Area Processing Centers and Their Impact On Future Construction

Jeremy Hiers
HQDA, CIO/G-6
Architecture, Operations, Networks, and Space (AONS) Directorate
Information Infrastructure Integration Division (I3D)

Problem Statement (U)

- **(U) Problem Statement:**
  - Area Processing Centers (APCs) and Single DOIM will significantly reduce the IT footprint on Army installations.
  - New facilities are being sized without regard to APCs and Single DOIM
    - ISEC only reviews and certifies the IT equipment needed to support what will be placed in the facility by the customer.
    - However, there is little scrutiny of the amount of floor space requested.
  - Building floor space for IT assets that are not in compliance with Single DOIM or that can be operated out of the APC is wasting tax payer dollars
- **(U) To resolve this issue, there must be a process in place to review and validate all requested floor space intended for IT systems in proposed facilities.**

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New Policy (U)

Page 1

DEPARTMENT OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY
107 ARMY PENTAGON
WASHINGTON DC 20310-0107

Office, Chief Information Officer / G-6

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MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Policy for Validation of Floor Space Requirements Intended for IT Systems Identified in Military Construction (MILCON) and Renovation Projects

1. References:

a. AR 25-1, Army Knowledge Management and Information Technology, dated 15 July 2005 (http://www.army.mil/usapa/epubs/pdf/r25_1.pdf).

b. Concept of Operations (CONOPS) for the CONUS APCs, Version 1.0, dated 28 November 2006 (https://www.us.army.mil/suite/doc/7214187).

c. Memorandum, Guidance for the Single Directorate of Information Management (DOIM) Implementation, dated 7 Jun 06 (https://www.us.army.mil/suite/doc/7214178).

d. Memorandum of Agreement, Incorporation of Information Systems into Active Component Military Construction Projects, dated 8 May 2007 (https://www.us.army.mil/suite/doc/7496763).

2. Purpose. To provide policy for the validation of floor space requirements intended for IT systems that are identified in all Army Military Construction (MILCON) and Renovation projects.

3. Background.

a. Over the past several years, the Army has invested significant resources to establish Enterprise IT initiatives aimed at increasing operational efficiencies, improving security, and reducing the total cost of ownership of IT.

b. Specifically, the implementation of Single DOIM and Area Processing Centers (APCs) will consolidate IT services on Army installations and transfer many of the assets and resources needed to provide those services from Army installations to consolidated enterprise computing centers.

Page 2

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SUBJECT: Policy for Validation of Floor Space Requirements Intended for IT Systems Identified in Military Construction (MILCON) and Renovation Projects

c. This consolidation will reduce long-term IT operations and maintenance costs and requirements for future construction and renovation projects on Army Installations. As the Army prepares to make significant investments in the construction and renovation of facilities over the next several years to support Base Realignment and Closure (BRAC), Global Defense Posture Realignment (GDPR), and other major initiatives, all requirements for floor space intended for IT systems must be carefully reviewed for consistency with Enterprise initiatives.

4. Policy.

a. This policy applies to all MILCON, Army (MCA), Unspecified Minor MILCON, Army (UMMCA), OMA-funded construction, renovation, and BRAC-funded projects.

b. The U.S. Army Information Systems Engineering Command (USAISEC), in coordination with the CIO/G-6, Assistant Chief of Staff for Installation Management (ACSIM), and application owners will review all floor space requirements intended for IT systems for consistency with APCs and Single DOIM. This review should start at the earliest planning and programming stages (preferably no later than the Planning Charrette for MILCON projects) and continue through execution phases of the project.

c. The CIO/G-6 will provide the ACSIM with recommendations for any changes to these projects.

5. The ACSIM points-of-contact for this action are Mr. Jack Schupp, (703) 604-2411 for all BRAC Construction, Army (BCA) projects and Ms. Wendy Schmidt, (703) 604-1449, wendy.schmidt@hqda.army.mil for MILCON, Army (MCA) projects.

6. The CIO/G-6 points-of-contact for this action are Mr. Michael Murphy, (703) 602-9154, michael.j.murphy@us.army.mil and Mr. George Akins, (703) 602-6492, george.akins@us.army.mil.

JEFFREY A. SORENSON
Lieutenant General, GS
Chief Information Officer/G-6

ROBERT WILSON
Lieutenant General, USA
Assistant Chief of Staff
for Installation Management

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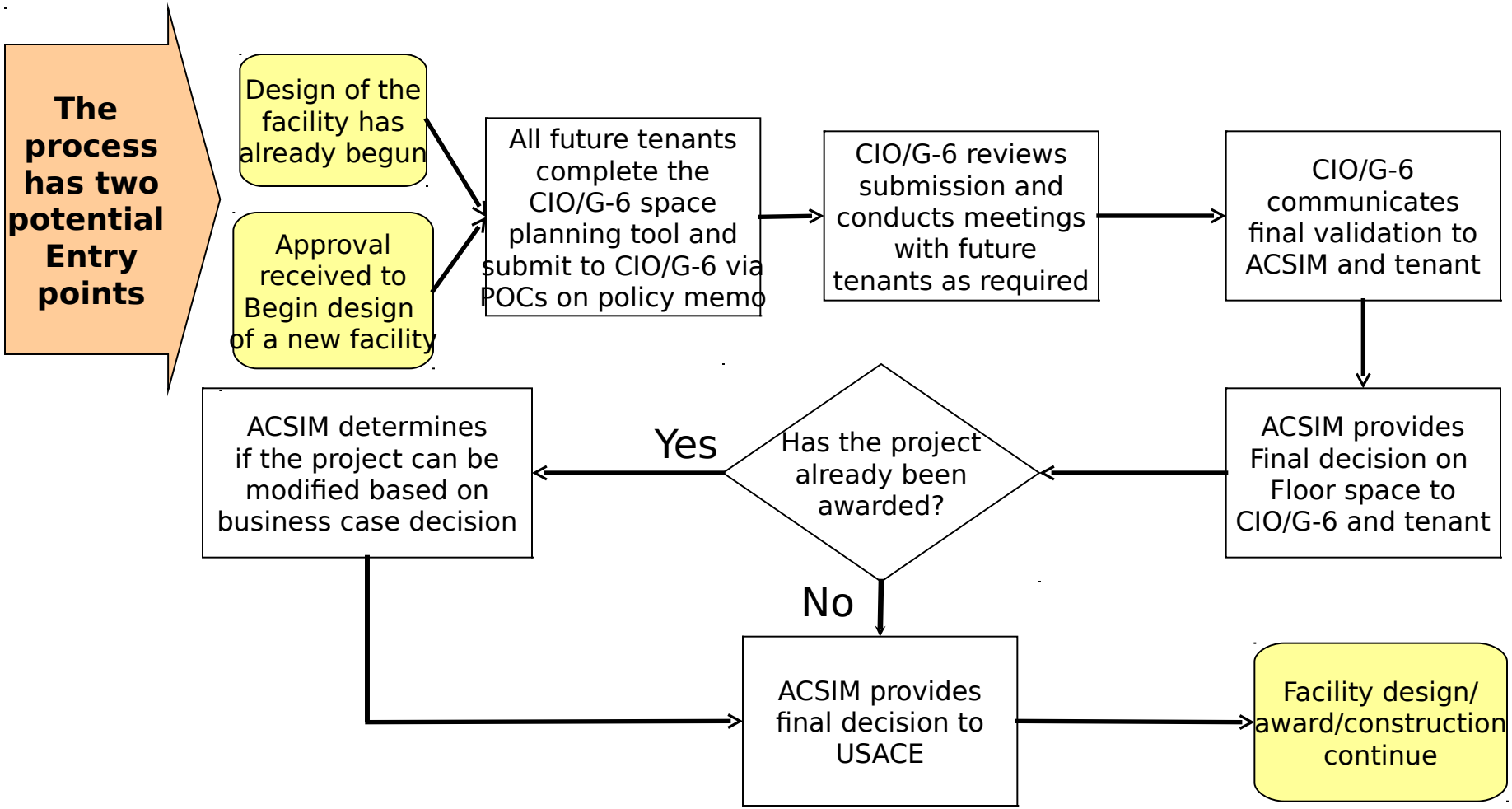
Proposed Process (U)


The process has two potential Entry points
Design of the facility has already begun
Approval received to Begin design of a new facility
All future tenants complete the CIO/G-6 space planning tool and submit to CIO/G-6 via POCs on policy memo
CIO/G-6 reviews submission and conducts meetings with future tenants as required
CIO/G-6 communicates final validation to ACSIM and tenant
ACSIM provides Final decision on Floor space to CIO/G-6 and tenant
Has the project already been awarded?
Yes
ACSIM determines if the project can be modified based on business case decision
No
ACSIM provides final decision to USACE
Facility design/ award/construction continue

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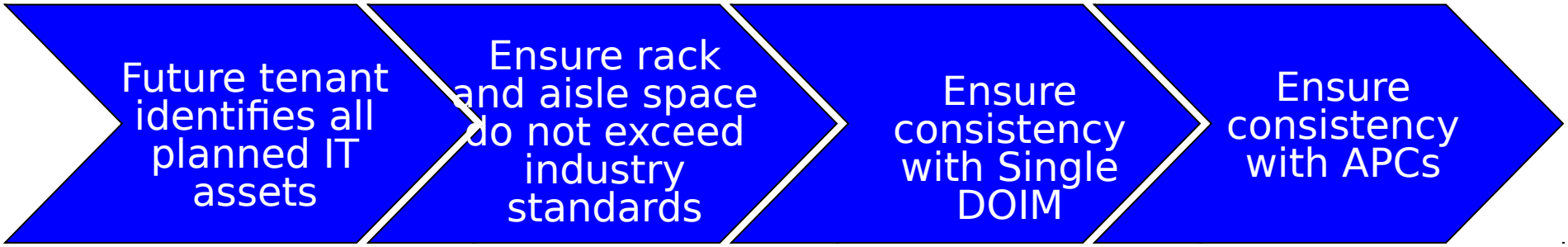
CIO/G-6 Space Planning Process (U)


Future tenant identifies all planned IT assets
Ensure rack and aisle space do not exceed industry standards
Ensure consistency with Single DOIM
Ensure consistency with APCs

- **Future tenant completes questionnaire on all servers planned to be located in the facility.**

- **The CIO/G-6 runs a tool to identify the amount of rack and aisle space needed (IAW industry standards).**
- **Space that exceeds the tool's validated amount is eliminated.**

- **Space for common-user services is eliminated unless this space is to augment the DOIM's space.**

- **Mission servers are examined for potential migration to the APC environment.**
- **CIO/G-6 works with the future tenant to identify potential COAs for migration to the APCs.**
- **Space for servers that can migrate is eliminated.**

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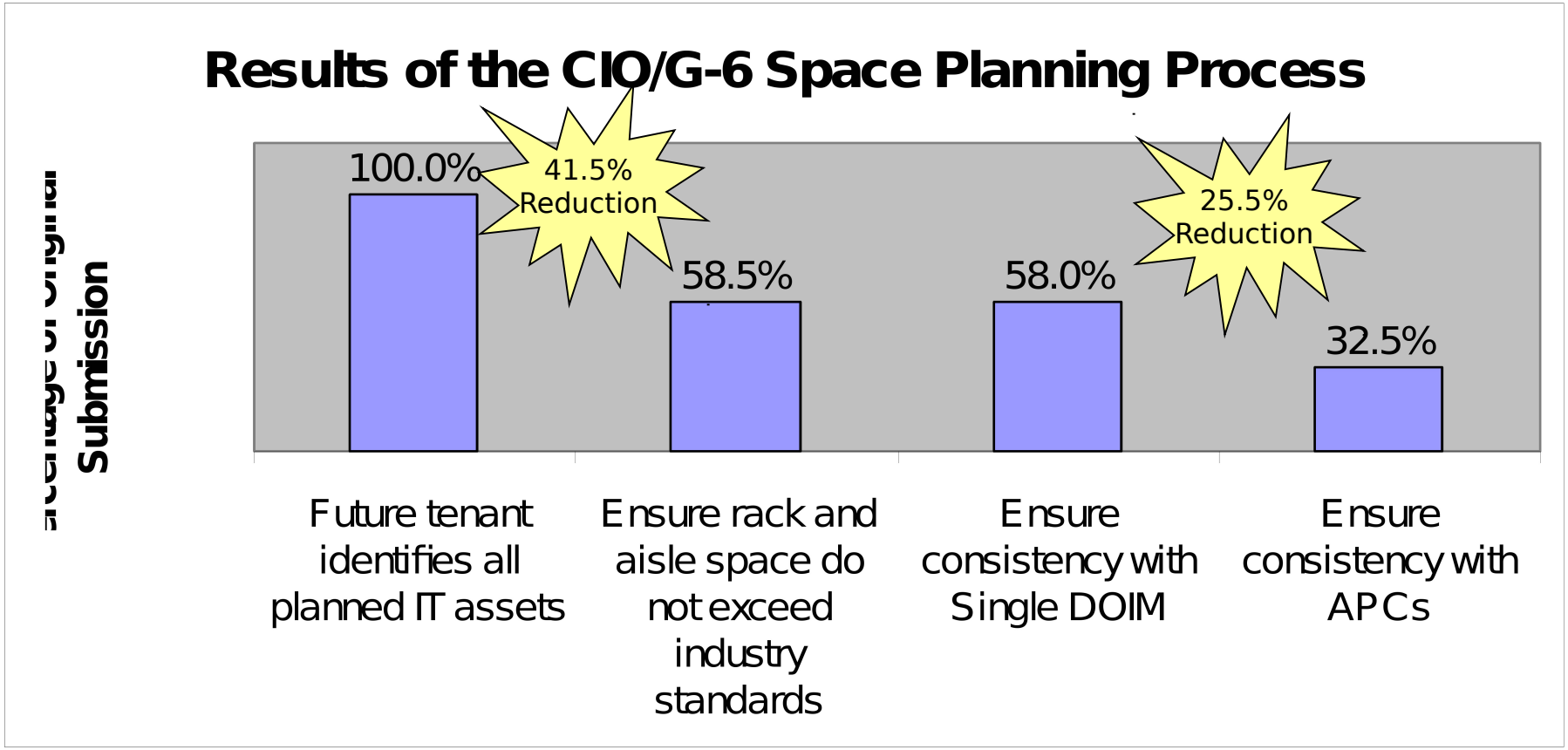
Results of the CIO/G-6 Space Planning Process So Far (U)



The CIO/G-6 space planning process has demonstrated the potential to reduce floor space intended for IT systems by 67%

Conclusions (U)

- **(U) The paradigm for how IT will be designed and managed in the Army is changing.**
- **(U) Requirements for floor space intended for IT systems will no longer be accepted without scrutiny.**
- **(U) By incorporating Single DOIM and APCs into IT strategic planning from the beginning, organizations can reduce the headaches this validation process may cause.**
- **(U) Due to significant BCA and MCA shortfalls across the FYDP, this process will more likely result in repurposing space to non-IT uses than saving on actual construction.**
- **(U) ACSIM makes the final decision on whether to cut space. ACSIM is therefore also responsible for ensuring DPWs consider APCs and Single DOIM in their Master Plan.**

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Questions?

CIO/G-6 Points of Contact

Mr. George Akins (APC)

703-602-6492

george.akins@us.army.mil

Mr. Mike Murphy (BRAC)

703-602-9154

Michael.j.murphy@us.army.mil

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